INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/05057

A. CLASS Int.	SIFICATION OF SUBJECT MATTER C1 ⁷ A47J37/06, F24C15/20		
According t	to International Patent Classification (IPC) or to both n	ational classification and IPC	
B. FIELD	S SEARCHED		
Minimum d Int.	ocumentation searched (classification system followed C1 ⁷ A47J37/06, F24C15/20	by classification symbols)	
Jits	tion searched other than minimum documentation to the Luyo Shinan Koho 1926–1996 i Jitsuyo Shinan Koho 1971–2003		1994-2003
Electronic d	lata base consulted during the international search (nam	ne of data base and, where practicable, sear	rch terms used)
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		
. Category*	Citation of document, with indication, where ap	opropriate, of the relevant passages	Relevant to claim No.
Y	JP 59-49004 B2 (Minematsu De 30 November, 1984 (30.11.84), Full text; Figs. 1 to 5 (Family: none)		1-3,5-9,11
Y	JP 7-26975 Y2 (Shinpo Kabush 21 June, 1995 (21.06.95), Full text; Fig. 1 (Family: none)	niki Kaisha),	1-3,5-9,11
Y	JP 2000-279325 A (Hitachi Ho 10 October, 2000 (10.10.00), Full text; Fig. 1 (Family: none)	ometec, Ltd.),	5
× Further	er documents are listed in the continuation of Box C.	See patent family annex.	
"A" docume conside "E" earlier date "L" docume cited to special docume means "P" docume than the	A" document defining the general state of the art which is not considered to be of particular relevance E" earlier document but published on or after the international filing date L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O" document referring to an oral disclosure, use, exhibition or other means		e application but cited to riying the invention laimed invention cannot be ed to involve an inventive laimed invention cannot be when the document is documents, such skilled in the art amily
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International application No. PCT/JP03/05057

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 6-319650 A (Shinpo Kabushiki Kaisha), 22 November, 1994 (22.11.94), Full text; Figs. 1 to 8 (Family: none)	6
Y	CD-ROM of the specification and drawings annexed to the request of Japanese Utility Model Application No. 61326/1991(Laid-open No. 8307/1993) (Hiroshi NANJO), 05 February, 1993 (05.02.93), Full text; Figs. 1 to 5 (Family: none)	· 6
Y	JP 4-51733 Y2 (Kajima Corp.), 04 December, 1992 (04.12.92), Full text; Figs. 1 to 5 (Family: none)	7,8
Y	JP 60-816 Y2 (Higo Stainless Kogyo Kabushiki Kaisha), 11 January, 1985 (11.01.85), Full text; Figs. 1 to 3 (Family: none)	8
Y	JP 61-234822 A (Shinpo Kabushiki Kaisha), 20 October, 1986 (20.10.86), Full text; Figs. 1, 2 (Family: none)	
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